1143

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	[illegible]	[illegible]	[illegible]	[illegible]
6	99.45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Office Record of Transit Notes, Book #2, taken from Shed "C" Dec. 20, 1912

Degrees.	DEGREES.		¾ DEGREE.		½ DEGREE.		
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	De
40	76.60	64.28	76.32	64.61	77.16	62.25	77.99
41	75.47	65.61	75.18	65.93	76.04	63.61	76.88
42	74.31	66.91	74.02	67.24	74.90	64.94	75.76
43	73.14	68.20	72.84	68.52	73.73	66.26	74.61
44	71.93	69.47	71.63	69.78	72.54	67.56	73.43
45	70.71	70.71			71.33	68.84	72.24
						70.09	71.02

Published by H. S. Crocker Company, Stationers, Mathematical Instruments, etc., San Fr

1144

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1145

Alignment Notes

O. Line

480+50 EC

S 13°31' W (calc)

483+34.5 BC T.1 } 5°15

484+84.5 CC 3°00 R } 8°41

487+74 CC

} 1°15 S.T.

489+24 EC

504+96.8 Δ S 0°20' W (calc)

521+50 Δ

524+11 Δ

530+00 Δ

540+00 Δ

548+16.4 BC T.1 R. } 6°45

550+86.4 CC 5°00 R } 19°53'

554+84.1 EC T.1 R.

Total Curvature 13°11'
Main Curve = 8°41'
Length of Curve = 589.5
S. T. + t = 295.77

Total Curvature 53°23
Main Curve 19°53'
Total Length of Curve 397.7
Semi-tangent 479.5
length of curve

1146

"E" LINE.

557+54.1 △ } 6°45' E C

S 33°43' W (Calc)

566+19.8 △ B.C. 7.1 L. } 2°15

567+69.8 C.C. 3°00 R.

574+02.9 C.C. 7.1 L } 18°59.5

2°15

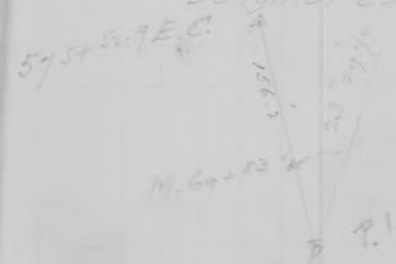
575+52.9 E.C.

S 10°13½' W.

582+00 △

3° Rt. Angles opp. 557+49.2
= M 33+34.9 (old alignment)

Total Curvature 23°29½
S.T. 472.26
Main Curve 18°59½
Length of Curve 633.1



1147

"E" LINE

584+13.8

N 85°40'00" (Calc)

597+78 Δ (Calc)

~~605+86. Δ~~

566+14.6 B.C. T.1 L. } 2°15

567+64.6 C.C. 3° L.

T.C. 23°19'

N 66°41' East 849'

S.T. 469.31'

573+91.8 C.C. T.1 L. } 2°15

575+41.8 E.C.

S 10°24' W (Calc)

1148

E LINE

610+58.9 B.C. 1° R.

621+82.2 E.C.

682+79.8 E.C.

11° 14'

J.T. 563.57

521° 38' W

726+17.6 B.C. 7½° R.

34½

727+97.6 C.C. 1°45' R.

727+97.6 P.T. on 1°45' Curve R.

E 621+82.2 E.C.
=
E 682+79.8 ℄ on tangent
521° 39' W calc. from E Line
produced back

1149

E. LINE June 14/05

5

610 + 58.9 PI or Ton

616 + 22.4

616 + 35.4

618 + 80.4

627 + 64.7

629 + 19.6 BC. 1°

637 + 07.9 EC

Total Cur 7°53'
S.T. 394.83
L.C. 788.3

645 + 59

650 + 13

654 + 89

655 + 91.4

658 + 00

667 + 94.2
S 68 + 07.9

675 + 34.5

679 + 82.1
76 + 26.9 Traverse

calc 679+829 = 26+271

S 2° 31' W

June 21

S. Line 29°21'

82°22'.4 calc 82+221

76+58 = 31.1 26+269

1150

June 23/05

690+00 △

694+00 △

703+95 △

737+48.2 B.C. T.P. R.
739+58.2 C.C. 2°00' R.
2°06'
T.C. 38.1A
Moon Curve
24°02'
L.C. 1201.7
S.T. 525.67
751+59.9 C.C. T.P. R.
2°06.
753+69.9 E.C.
S 30°45' W

797+50.6 B.C. T.P. R.
2°06'
799+60.6 C.C. 2° R.
Main Curve
45°41'½
T.C. 1049.03
L.C. 2284.6
S.T. 1437.98
822+45.2 C.C. T.P.
824+55.2 E.C.
2°06.
S. 80°38½' W.

1151

E LINE

868+60.5 B.C 1°R } Total Cur. 4°06

872+70.5 E.C. } S.T. 705.06
L.C. 410.00

S 84°44½' W.

E873+95.3 } P.T. on Tangent
E 925+61.3 } E.C

1152

"E" LINE

1028+99.8 } Pt. on Tan.
1028+99.8 } B.C. 0°30' L. — Total Curve 6°53'

1042+76.5 ≏ C.C. } 1°00' L. — Total Curve 10°37'

1053+38.2 ≏ E.C.

(Calc) S. 16°35' W.

1057+23.2 B.C. T/2 L. } T.C. 2°06.

1059+33.2 C.C. 2° L. } Total Curve 13°10' p/c
Main Curve 8°38' p/c
L.C. 488.8
S. T. 435.89

1063+82 C.C. T/2 L. } T.C. 2°06.

1065+92 E.C.

S. 3°24' p/c W

1082+35.7

E/1083+55.7 } C.C. 1°15' L.
E/1083+34.3 } Pt. on 1°15' Curve L. — T.C. 0°45.

Total in both Curves 19°30

Sta: 1083 - 1084 = 121.4 feet.

1153

Line on Co: Road Oct 6/11
near Freeport copied into

Sta	Transit Book #1, page 74 Oct. 14, 1911				
34.5				27.4 70	
340				35.7 70	
33.6				33.2 70	
333				33.5 70	

1154

"R" Line for Change of Co: Road near Freeport

S/B	Mag: Course
+78.6 Fence	
7+64.6 ℄ 9°15' R	
7	
6	
+59	S 27°30' E
5+17.6 ℄ 0°47' R.	
5	
4	
3	S 28°30' E
2+83.2 Fence	
2+48.7 ℄ 1°21' L	
2 +96	
1	S 27°30' E
0+00 88°30' R	
E 249+15. 70' Left	

"R" Line Notes copied into Transit Book #1 pages 67 and 68 MWM 8/18/1911

Strip for Road 40' wide

1155

"R" Line for Change of Co. Road
near Freeport

Mag. Course

+ 97.1

15 + 40.6 D 1°51' to L

15

+ 74.9 FENCE

14

+ 71 FENCE

+ 55.3

+ 30.2

13

+ 89.5

+

12

11 + 96 L 0°50 3/4' L

11

S 17°50' E

+ 30

10 + 11.4 D 0°46' R

10

9

S 18°50' E

8

15+40.6

7°24 3/4'

348.58

348.15

61°44'

11+96

45°

Cor

"R" Line Notes copied into Transit Book #1 page 67 and 68
H.W.M. Oct. 13, 1911.

Stillwater

S. Ill. River

72°10'

O'Neill

Fence

364+50

361+00.3

359+15.9

225.0

430.0

99.5

84.6

37.5

36

70

7°

7°

7°

R LINE for change of Co. Road
~~near Freeport~~

Sta.	Mag Course
0+00	Line for Topog see page 26
19+11.3 B	
18	
17+54	FENCE (Co Road)
+15	
17	
16	

R. Line Notes copied into Transit Book #1 page 67-68
H.W.M. Oct. 13 1911

1157

LINE for Topography at Freeport.

St. 2.

+50

4

+50

3

+50

2

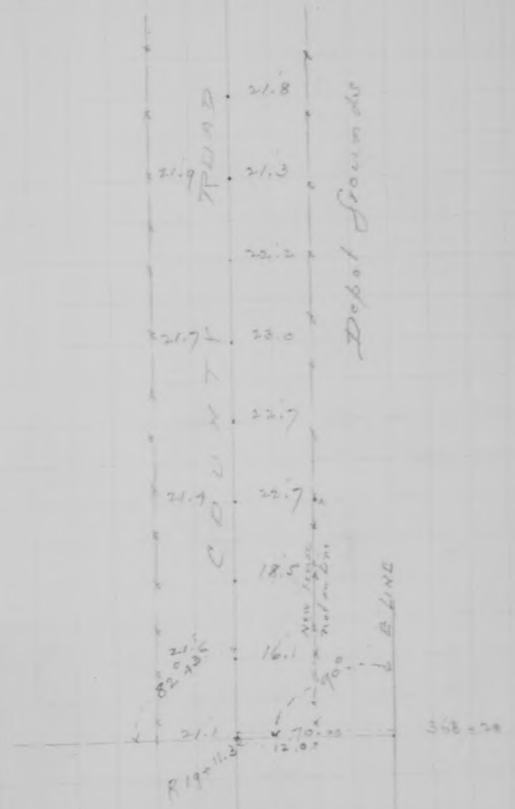
+50

1

0 + 00 = B 9 + 11.2 See prev. page

Topography Notes copied into Transit Book #1 Page 69 since TO [illegible]

Aug 9/09



LINE for Topography at Freeport

Aug 9/09

27

S½.

+50

9

+50

8

+50

+42

7

6+57.25
+50

6

+50

5

Topography Notes copied into Transit Book #1, page 69-70

1159

LINE for Topography at Freeport

Aug 9 to 11 / 09

28

Topography Notes copied into Transit Book #1, page 69-70

Sta:

15+32.6

+50

14

+61.2
+50

13

+53.2 Fence on Left
+50

12+47.62

12

11+28. Fence on Left

11+56.1
+50

11

+54
+50

10

M. T. HUNT

O'Toole
Est

J. SOUZA

Yard

Barn
48.3

31.1 31.7

31.7

22.4 22.5

J. SOUZA

22.8

50.2
Bld Small Chgd.

23.0 22.68

M. T. HUNT.
30°19'

139.5

E 380+52
Angle taken to Chert
Est: 380+52
+383+60

M. T. Domingos 03.9°

24.0

Creamery
now
Soc. Southern

331

M. T. HUNT.

22.7 27.14

135.0

379+60
Angle Taken to chert
Est 379+50
+380+60

22.5 25.3

18.8

22.6 26.1

336

O'Toole

22.0 26.4

Est 2'6" 371

T. Souza

LINE for Topography at Freeport

Sta:

15

17.

+93

+50

+24.4

16+06.4

+50

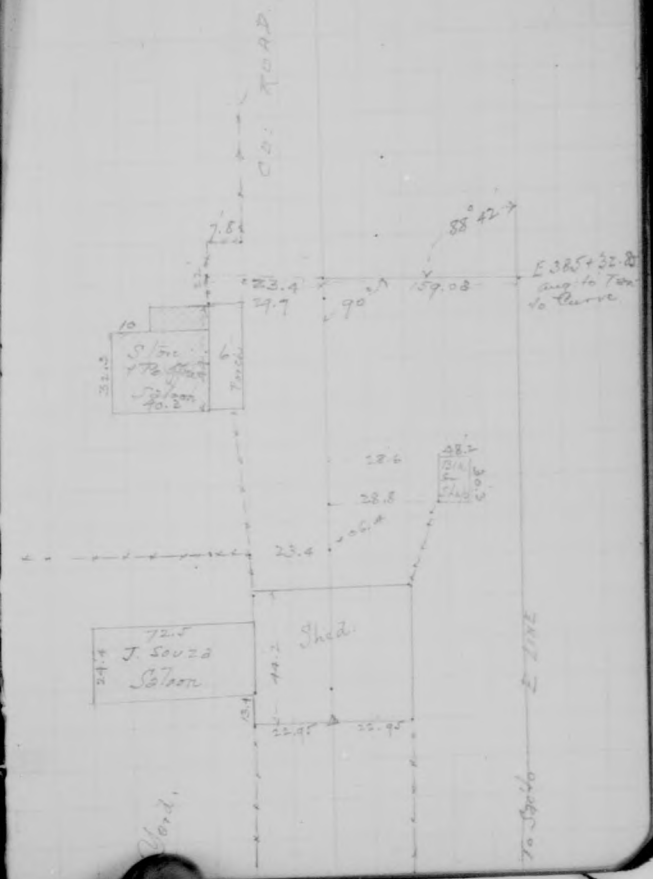
+02.6

15

Topography Notes copied into Transit Book #1, page 69-70

Aug 9 to 11, /09

29



1161

Y Line Sept 21/05

119	44°20.6
120	46°50.6
+50	49°20.6
121	51°50.6
+50	54°20.6
122	56°50.6
+50	[illegible]
64.95 EC	60°05.[illegible]
193.62 EC	61°31.5

1162

X LINE Riverside Road

Sept 21/15

122+56.6 Δ 11.22 East of Center of Riverside Road
6°22 L

122+86.6 Δ BC 10°00 L
123 9°40.2
+50 Δ 3°10'
124 2°40
+50 8°50'
125 10°40
+50 13°10'
126 15°40
+15.8 Δ E.C. 16°27.5

126+45.8 Δ 6°22' L. Δ 4.72 L of E 126+45.8

Old Road.

1163

X LINE Riverside Road

Sept 22/05

X
122+08 Δ 11.22 East of Center Riverside Road
6°22' Rt

122+38. Δ B.C. 10°00' Rt
+50 0°36
123 3°06
+50 5°36
124 8°06
+50 10°36
125 13°06
+50 15°36
125+67.2 E.C 16°27.5

X
125+97.2 Δ 4.72' Rt of E 125+97.2
6°22' Rt

1164

"Y" LINE Riverside Road

Sept 28th 05

Y

110+28.4 Δ 4.72 Lt of E 110+28.4
6°22' Lt

110+58.4 BC 10' Lt.

111	2°04'.8
+50	4°34'.8
112	7°04'.8
+50	9°34'.8
113	12°04'.8
+50	14°34'.8
114	17°04'.8
+50	19°34'.8
115	22°04'.8
+50	24°34'.8
+75 Δ	25°49'.8
116	27°04'.8
+50	29°34'.8
117	32°04'.8
+50	34°34'.8
118	37°04'.8
+50	39°34'.8

115+30 Tot Lacce
115+45 Tot
115+77 Tot.
115+99 Tot
116 filled 2' wide

1165

'Y' LINE Riverside Road

Sept 22/05

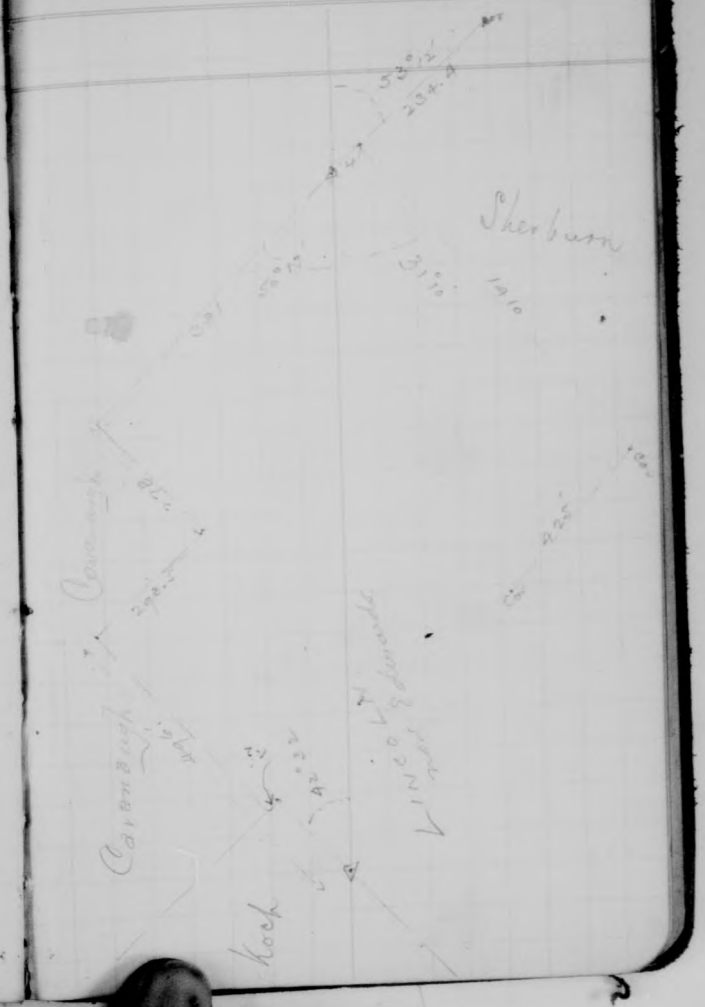
119	42°04'.8
+50	44°34'.8
120	47°04'.8
+50	49°34'.8
121 ▷	52°04'.8
+50	54°34'.8
122	57°04'.8
+50	59°34'.8
122+88.8	EC. 61°31'24"

123+18.8 BPH 11.22 N of Center Riverside Road

1166

143+62

133+38.6 Fence



1167

143

149 + 29.4 Fence

148 + 20.8 on Semi Tan

13 147 + 19.1

Cross on right

Bore to South 1.42

38

53

391.5

1168

B.732+02

E 727+07.6 B.C.C. 1+45' Rt.

727+07.6 P.C.

L 74+39.5 = M 109+11.5 19+25' Rt.

1169

ture in
nutes.

LKS.
.. 95⅔
.. 98
..100⅓
..102⅔
..105
..107⅓
..109⅔
..112
..114⅓
...116⅔
...119
...121⅓
...123⅔
...126
...128⅓
...130⅓
...133
...135⅓
.. 137⅔
...140

second the
make one

COR. IN LINKS
10.54
11.26
12.24
13.37
14.34
15.47
22.07

1170